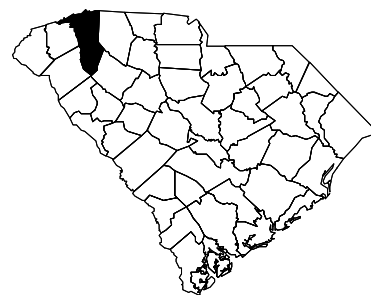


IMPACT OF CHRONIC CONDITIONS GREENVILLE County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Greenville county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Greenville county's population is similar to the state population. The majority (40%) of the population in Greenville county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Greenville county has a lower minority population (21%) than the state (32%). When adults in Greenville county were asked about their general health status, 84.3% reported having excellent, very good, or good health in 2002 (SC was 83%).

	GREENVILLE COUNTY	STATE
Population size	391,334	4,107,183
Age distribution (%)		
<18	24	24
18-44	40	40
45-64	24	24
65-84	10	11
85+	1	1
Race (%)		
White	79	68
Black & Other	21	32
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Greenville county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	27
Sedentary lifestyle	43	42
Overweight	54	60
High Cholesterol	8	8

Some preventive measures such immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	24.8	.	.	.	.	28.4
Number of hospitalizations	343	160	183	144	199	5,173
Standard rate of hospitalizations (per 100,000)	89	242	57	79	91	125
Median age of hospitalized patients	63	53	73	58	63	63
Total cost of hospitalization (\$)	6,336,200	3,220,700	3,115,500	3,164,300	3,171,900	79,350,400
Average length of hospital stay (days)	7	8	5	7	6	5
Number of ED visits	656	324	332	265	391	7,306
Standard rate of ED visits (per 100,000)	165	452	102	144	184	175
Median age of ED patients	53	48	63	53	58	53
Total cost of ED visits (\$)	605,200	266,200	339,000	248,300	356,900	5,902,800
Number of deaths*	21	7	14	9	12	366
Standard death rate (per 100,000)*	5	13	4	5	5	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.36	.	.	.	.	5.13
Number of hospitalizations	2,873	398	2,475	1,650	1,223	30,831
Standard rate of hospitalizations (per 100,000)	735	653	749	948	556	734
Median age of hospitalized patients	63	63	68	63	68	68
Total cost of hospitalization (\$)	96,833,500	12,785,300	84,048,200	58,865,500	37,968,000	969,122,700
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	287	42	245	162	125	2,754
Standard rate of ED visits (per 100,000)	73	65	74	88	57	66
Median age of ED patients	63	68	63	68	58	63
Total cost of ED visits (\$)	1,277,000	158,600	1,118,400	784,700	492,300	10,617,900
Number of deaths*	783	143	638	394	389	9,723
Standard death rate (per 100,000)*	210	272	200	263	167	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.94	.	.	.	.	2.38
Number of hospitalizations	1,174	224	950	559	615	14,317
Standard rate of hospitalizations (per 100,000)	309	389	294	352	277	351
Median age of hospitalized patients	73	68	73	68	73	73
Total cost of hospitalization (\$)	24,777,300	5,594,000	19,183,300	11,935,600	12,841,700	279,819,700
Average length of hospital stay (days)	7	9	6	7	7	6
Number of ED visits	207	42	165	94	113	2,732
Standard rate of ED visits (per 100,000)	54	73	51	58	51	67
Median age of ED patients	63	58	68	68	60	73
Total cost of ED visits (\$)	454,900	108,700	346,200	201,400	253,500	6,322,600
Number of deaths*	241	47	194	91	150	2,816
Standard death rate (per 100,000)*	66	97	62	67	65	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,201	286	915	479	722	14,524
Standard rate of hospitalizations (per 100,000)	309	416	281	287	340	351
Median age of hospitalized patients	58	43	63	63	58	58
Total cost of hospitalization (\$)	15,669,500	2,624,400	13,045,100	6,363,900	9,305,600	198,700,700
Average length of hospital stay (days)	5	3	5	5	5	5
Number of ED visits	3,964	1,512	2,452	1,707	2,257	37,517
Standard rate of ED visits (per 100,000)	1,014	1,851	788	910	1,119	914
Median age of ED patients	33	23	38	28	33	33
Total cost of ED visits (\$)	3,257,100	1,209,900	2,047,200	1,491,400	1,765,700	30,607,600
Number of deaths*	177	16	160	86	91	1,891
Standard death rate (per 100,000)*	47	33	50	61	40	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.21	.	.	.	.	8.33
Number of hospitalizations	660	269	391	326	334	8,652
Standard rate of hospitalizations (per 100,000)	167	365	121	174	159	207
Median age of hospitalized patients	58	58	63	58	58	53
Total cost of hospitalization (\$)	11,646,000	4,540,500	7,105,500	5,809,500	5,836,500	127,167,500
Average length of hospital stay (days)	7	6	7	7	7	6
Number of ED visits	685	318	367	304	381	9,316
Standard rate of ED visits (per 100,000)	172	459	113	164	181	224
Median age of ED patients	58	63	53	53	63	53
Total cost of ED visits (\$)	673,500	327,900	345,600	318,200	355,300	8,261,100
Number of deaths*	123	39	83	43	40	1,114
Standard death rate (per 100,000)*	33	79	26	34	21	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2,630	634	1,996	924	1,706	24,644
Standard rate of hospitalizations (per 100,000)	666	910	607	546	805	591
Median age of hospitalized patients	58	48	63	68	53	58
Total cost of hospitalization (\$)	64,614,600	13,344,300	51,270,300	28,916,600	35,698,000	605,119,300
Average length of hospital stay (days)	6	6	7	9	5	6
Number of deaths*	697	123	572	375	322	8,320
Standard death rate (per 100,000)*	183	234	177	247	145	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	179	32	147	88	91	2,113
Standard rate of hospitalizations (per 100,000)	46	53	45	51	42	51
Median age of hospitalized patients	68	63	68	68	73	68
Total cost of hospitalization (\$)	5,759,200	1,181,700	4,577,500	3,037,300	2,721,900	80,248,200
Average length of hospital stay (days)	9	10	8	9	9	10
Number of deaths*	60	9	51	28	32	807
Standard death rate (per 100,000)*	16	17	16	18	14	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	189	33	156	.	189	1,465
Standard rate of hospitalizations (per 100,000)	48	48	47	.	87	35
Median age of hospitalized patients	63	53	63	.	63	63
Total cost of hospitalization (\$)	3,007,900	544,400	2,463,500	.	3,007,900	21,213,600
Average length of hospital stay (days)	3	3	3	.	3	3
Number of deaths*	60	13	46	-	60	630
Standard death rate (per 100,000)*	16	24	14	-	27	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	28	9	19	.	28	222
Standard rate of hospitalizations (per 100,000)	7	13	6	.	13	5
Median age of hospitalized patients	58	58	58	.	58	48
Total cost of hospitalization (\$)	387,400	137,700	249,700	.	387,400	3,668,300
Average length of hospital stay (days)	3	4	3	.	5	4
Number of deaths*	2	2	-	5	1	26
Standard death rate (per 100,000)*	3	1	-	2	5	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	229	45	184	142	87	2,154
Standard rate of hospitalizations (per 100,000)	59	76	56	84	40	51
Median age of hospitalized patients	68	68	68	68	68	68
Total cost of hospitalization (\$)	8,798,800	1,366,900	7,431,900	5,801,900	2,996,900	70,474,400
Average length of hospital stay (days)	11	9	11	11	10	9
Number of deaths*	202	39	163	131	71	2,481
Standard death rate (per 100,000)*	53	73	50	84	33	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	150	34	116	150	.	1,353
Standard rate of hospitalizations (per 100,000)	37	57	34	84	.	32
Median age of hospitalized patients	63	65	63	63	.	68
Total cost of hospitalization (\$)	2,944,900	716,000	2,228,900	2,944,900	.	24,726,200
Average length of hospital stay (days)	5	6	4	5	.	4
Number of deaths*	35	6	29	35	-	478
Standard death rate (per 100,000)*	10	14	9	29	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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